

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH 03/00136

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B25C5/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 209 976 A (VOGEL KURT M) 5 October 1965 (1965-10-05) column 2, line 34-70; figures 1,6 column 4, line 28-51 ---	1,2 3,4,8-10
A	US 5 692 667 A (CHI WILLIAM H N) 2 December 1997 (1997-12-02) column 2, line 42-54; figure 4 ---	1-5,8-10
A	GB 2 229 129 A (CHANG TED SZU) 19 September 1990 (1990-09-19) figure 2 ---	1-5,8,9
A	DE 41 08 949 C (ARNED) 16 January 1992 (1992-01-16) the whole document ---	1-5,8,9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

23 June 2003

Date of mailing of the international search report

02/07/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 692 666 A (DALLAS ANGELO N) 2 December 1997 (1997-12-02) cited in the application the whole document ----	1,8,9
A	GB 2 225 271 A (OLAVE SOLOZABAL Y CIA S A) 30 May 1990 (1990-05-30) cited in the application the whole document -----	1,9

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CH 93/00136

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3209976	A	05-10-1965	NONE	
US 5692667	A	02-12-1997	NONE	
GB 2229129	A	19-09-1990	NONE	
DE 4108949	C	16-01-1992	DE 4108949 C1	16-01-1992
US 5692666	A	02-12-1997	NONE	
GB 2225271	A	30-05-1990	DE 3838555 A1	17-05-1990
			FR 2640181 A1	15-06-1990
			US 4923107 A	08-05-1990

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